NEW SOURCE PERFORMANCE TEST PROGRAM UNIT #2 INTERMOUNTAIN POWER PROJECT DELTA, UTAH

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SUMMARY

Unit #2 is a new steam generator located at the Intermountain Power Project Steam Generating Station in Delta, Utah. This plant is owned and operated by the Intermountain Power Project (IPP). The stack gas emissions are regulated by the United States Environmental Protection Agency (EPA) New Source Performance Specifications as set forth in the Code of Federal Regulations (CFR), Title 40, Part 60, Subpart Da. The unit must also meet the regulations as set forth by the State of Utah in the State of Utah's modified approval order dated December 19, 1985.

As a requirement of the cited regulations, Unit #2 must demonstrate its ability to operate below the emission limits as set forth in Subpart Da and the modified approval order. A test program was initiated to demonstrate that Unit #2 is able to comply with the above regulations. Table 1 presents the emissions species observed, the requirements for each, and the test results. Rolling average data for SO_2 and NOx will be submitted by IPP.

Based on the values measured on the test program, Unit #2 appears to be operating within the required emissions limits. The New Source Performance Test Program was successfully completed on April 17, 1987.

TABLE 1. EMISSIONS TEST RESULTS

Parameter	Specification Requirement (40 CFR 40 Subpart Da)	Measured Unit #2
NOx Stack		
Method 7 Results	0.550 lb/MBTU	0.41 lb/MBTU
SO_2 Stack		
Method 6 Results	0.150 lb/MBTU	0.057 lb/MBTU
Particulate		
Emissions	0.020 lb/MBTU	0.0137 lb/MBTU
% Isokinetic (avg.)	90 - 110%	104.3%

NOTE: The NOx and SO_2 emissions are based on the average reference value from the relative accuracy tests.